



APR 22 2003

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2681

**PATENT**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**In Re Application of ) For: VELOCITY RESPONSIVE  
Kan, et al. ) FILTERING FOR PILOT SIGNAL  
RECEPTION  
Serial No. 09/986,222 )  
Filed: October 22, 2001 )  
Group No. 2681 ) RECEIVE**

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APR 23 2003

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR § 1.97(c)**

Technology Center 2600

Commissioner of Patents  
Washington, D.C. 20231

Dear Sir:

Applicants, through their attorney, submit herewith references in accordance with 37 CFR § 1.56.

The citation of these references is not intended to constitute an admission that any reference provided is prior art to the invention of this application unless specifically designated as such.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231, on:

April 16, 2003  
(Date of Deposit)

**Theresa Badet**  
(Name of the Person Making Deposit)

Theresa Gadsden  
(Signature)

The filing of this document shall not be construed to mean that any search has been made or, that if made such search was complete or exhaustive, or that no other material information as defined in 37 CFR § 1.56 exists. A list of the references is set forth on Form PTO-1449, which is enclosed herewith in duplicate along with a copy of each cited reference. Applicants respectfully request that the Examiner return to Applicants the enclosed copy of the Form PTO-1449 indicating consideration of the references.

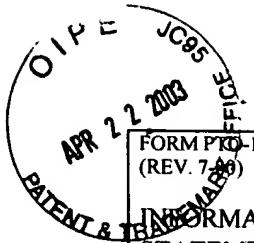
The undersigned hereby certifies that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.

Also enclosed for your convenience is a copy of the International Search Report.

Dated: April 16, 2003

Respectfully submitted,  
By:   
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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE  
(REV. 7-98) PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT  
(Use several sheets if necessary)

DATE MAILED: April 16, 2003

ATTY. DOCKET NO.  
000276

SERIAL NO.  
09/986,222

APPLICANT  
Kan et al.

FILING DATE  
October 22, 2001

GROUP  
2681

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	Ref No	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	A1						RECEIVED
	A2						APR 23 2003
	A3						
	A4						Technology Center 2600
	A5						

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	Ref No	DOCUMENT NUMBER	DATE	COUNTRY	NAME	CLASS	SUB CLASS
	B1						
	B2						
	B3						
	B4						
	B5						
	B6						
	B7						

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Page, Etc.)

	C1		Blostein, S., et al. (1995) A change-detection approach to monitoring fading channel bandwidth. Information Theory pg. 155.
	C2		Li, H., et al. (1990) An adaptive filtering technique for pilot aided transmission systems. IEEE pgs. 507-512.
	C3		Oh, H., et al. (2000) An adaptive channel estimation scheme for DS-CDMA systems. VTC pgs. 2839-2843.
	C4		Sakamoto, M., et al. (2000) Adaptive channel estimation with velocity estimator for W-CDMA receiver. VTC pgs. 2024-2028.

EXAMINER \_\_\_\_\_ DATE CONSIDERED \_\_\_\_\_

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.